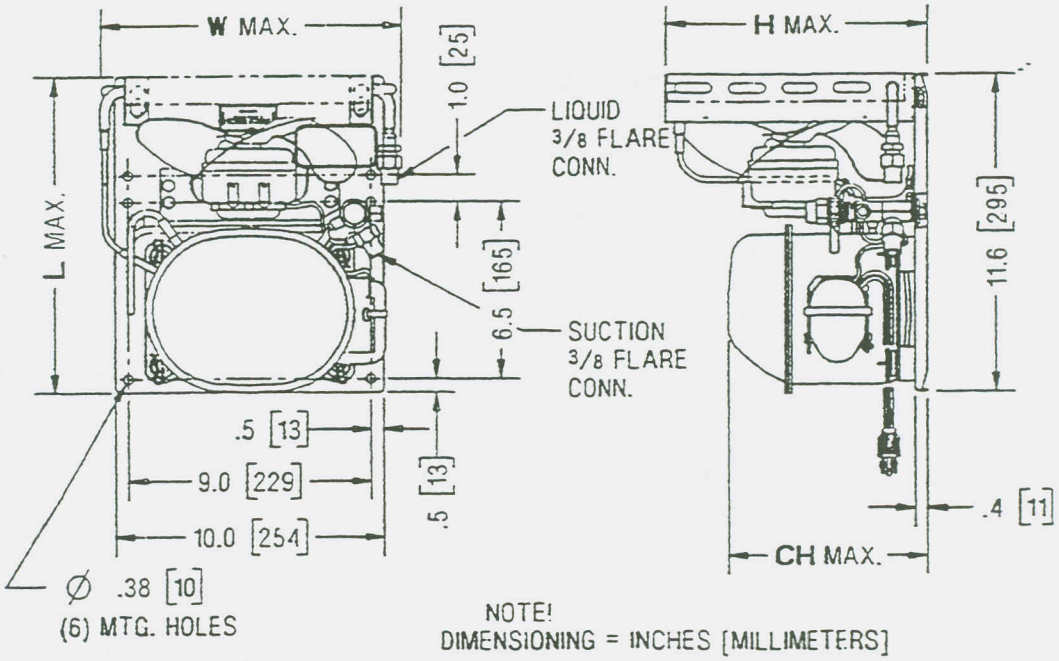
TECUMSEH HERMETIC CONDENSING UNITS

Date: 9-7-95

MODEL AEA3414YXA (Formerly AE3414YA) R-134a 1/6 HP AIR COOLED**



Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AEA3414Y**XA	11.7	11.6	9.8	7.4	3/8 F	3/8 F	—	—	10	33

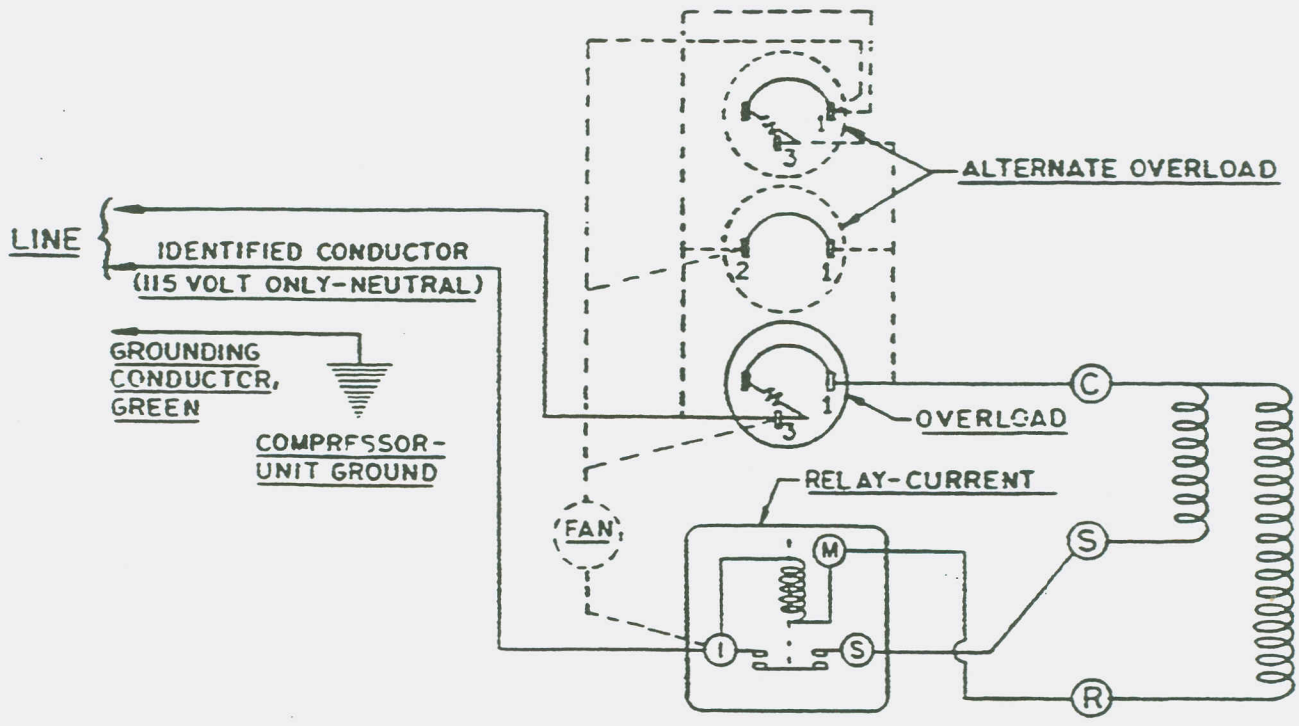
*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - **MUST BE EVACUATED** **60 HZ Performance**

Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
+20	18.4	860	225	155	780	225	180	690	225	205
25	22.1	930	240	165	840	240	185	760	245	210
30	26.0	1010	260	175	920	255	195	840	260	220
35	30.3	1100	280	185	1010	280	205	930	285	230
40	35.0	1190	300	195	1090	300	215	1020	305	240
45	40.0	1280	320	205	1190	330	225	1120	335	250
50	45.3	1380	350	215	1290	355	235	1200	360	260
55	51.1	1480	380	230	1380	380	250	1290	390	270

65 ° F return gas temp., 5 ° F subcooling

Date: 9-6-95

SPECIFICATIONS	AEA3414YXAXA	AEA3414YXPXA	AEA3414YXCXA
Nominal Voltage	115-60-1	220-60-1	240/220-50-1
Unit B/M	2A610-1	2A614-1	2A615-1
Voltage Range	126.5 to 103.5	242 to 198	264 to 198
Min. Circuit Ampacity	4.0	2.2	2.0
Max. Fuse Size (Amps)	15	15	15
Compressor Model	AEA3414YXA	AEA3414YXP	AEA3414YXC
Bill of Material	AE500AT-048-P2	AE500ET-048-P2	AE500JT-048-P2
RLA/LRA	2.9/18.0	1.6/8.5	1.4/8.7
Overload	83601	83701	83685
Relay	8200EMBE57	8200EMBE45	8200EMBE61
Alternate Relay	82614	82615	82642
Fan Motor	810M005B43	810M005B44	810M005B44
Alternate	810G006A94	810G006A93	810G006A93
Fan Blade		51536	
Condenser		50639	
Unit Drawing		SU1896-10	
Schematic or Elect. Dwg.		DEAE-1	



115 OR 230 VOLT-SCHEMATIC WIRING DIAGRAM-RSIR

U.L. Listed -----(60 HZ only)----File #SA2372 --------------Card Guide #SGYU
CSA Certified -------------Canadian File #12964C ----------USA File #8873C